

BERKLEYD, I.M.; VIKHMAN, V.S., doktor tekhn. nauk; DRAUDIN, A.T.; KOPANEVICH, N.Ye.; OVCHARENKO, G.I.; TUHENSHLYAK, Z.L.; CHASOVNIKOV, G.V.; TSEYTLIN, Ya.M.; BAYBUROV, B.S., red.; KOCHENOV, M.I., red.; MALYY, D.D., red.; STROGANOV, L.P., inzh., red. izd-va; DOBRITSYNA, R.I., tekhn. red.

[Automatic controllers] Kontrol'nye avtomaty. Moskva, Mashinotekhn. izd-vo mashinostroit. lit-ry, 1961. 193 p. (MIRA 14:8)
(Electronic measurements)

CHASOVNIKOV, G.V.

PHASE I BOOK EXPLOITATION SOV/5839

Berklayd, I. M., V. S. Vikhman, A. T. Draudin, N. Ye. Kopanevich,
G. I. Ovcharenko, Z. L. Tubenshlyak, G. V. Chasovnikov and Ya. M. Tsaytlin

Kontrol'nyye avtomaty ([Dimensional-] Control Automatics) Moscow, Mashgiz,
1961. 193 p. (Series: Progressivnyye sredstva kontrolya razmerov v mashino-
stroyenii) Errata slip inserted. 4500 copies printed.

Eds. of Series: B. S. Baybuров, M. I. Kochenov, and D. D. Mal'y; Scientific
Ed.: V. S. Vikhman, Doctor of Technical Sciences; Ed. of Publishing House:
L. P. Stroganov, Engineer; Tech. Ed.: R. I. Dobritsyna; Managing Ed. for
Literature on Means of Automation and Instrument Construction: N. V. Pokrov-
skiy, Engineer.

PURPOSE: This book is intended for designers and technical personnel in machine
plants.

Card 1/3

Control Automatics

SOV/5839

COVERAGE: The book contains information on the most important Soviet late-model automatics for the inspection, sorting, and automatic control of machine parts according to their geometric parameters. The book is part of a series devoted to modern means of dimensional control and was recommended by the Commission on the Introduction of Advanced Control Methods and Means in the Machine Industry of the State Scientific-Technological Committee of the Council of Ministers of the USSR. Attention is given to the construction, operation, and specifications of a number of dimensional-control automatics for various purposes. Photographs and layout diagrams are included. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Introduction	5
Ch. I. General-Purpose [Dimensional-] Control Automatics	10

Card 2/8

CHASOVNIKOV, G.V.

5

PHASE I BOOK EXPLOITATION

SOV/5362

Vysotskiy, A. V., Ye. R. Dvoretskiy, V. V. Kondashhevskiy, V. T. Kuz'michev,
I. M. Morozov, P. M. Polyaniskiy, Z. L. Tubenshlyak, G. V. Khokhlova,
G. V. Chasovnikov, and M. L. Shleyfer

Prilomy i ustroystva dlya aktivnogo kontrolya razmerov v mashinostroyenii
(Instruments and Equipment for the Active Control of Dimensions in Machine
Building) Moscow, Mashgiz, 1961. 303 p. (Series: Progressivnyye sredstva
kontrolya razmerov v mashinostroyenii) Errata slip inserted. 7000 copies
printed.

Ed. of Series: B. S. Bayburov, M. I. Kochenov, and D. D. Malyy; Scientific Ed.:
Ye. R. Dvoretskiy; Ed. of Publishing House: A. G. Akimova; Tech. Ed.: V. D.
El'kind; Managing Ed. for Literature on Means of Automation and Instrument
Building: N. V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for technical personnel engaged in the design of
controlling devices. It may also be useful to students specializing in the
field of instrumentation at schools of higher technical education and tekhnikums.

Card 1/6

Instrument and Equipment (Cont.)

SOW/1462

CONTENTS: Operational control and control devices of the active control system have been studied under experimental and theoretical conditions and described. General information on new Soviet control systems is also given. The present work is part of a series done at the Soviet machine building institutes, which was recommended by the Executive of the State Scientific Technical Committee of the Council of Ministers USSR. The committee was set up to assist in the introduction of advanced methods and devices of dimensional control in machine building. No personalities are mentioned. There are 74 references: 47 Soviet, 20 English, and 7 German.

TABLE OF CONTENTS:

Forward	5
Ch. I. General Observations on Instruments and Devices of Active Control (Ye. R. Dvoretzkiy)	7
1. The role of active control and the provisions for its introduction	7
2. Special features in the development of active control instruments	8
3. Basic types of the means of active control	9

Card 2/6

Instruments and Equipment (Cont.)

SOV/5862

Ch. II. Instruments and Devices for Active Control of Shaft Dimensions in Cylindrical Grinding (A. V. Vysotskiy, V. V. Kondashovskiy, V. T. Kuz'michev, I. K. Morozov, P. N. Polyanskiy, G. V. Khokhlova, G. V. Chagovnikov, and M. L. Shleyfer)	18
1. Instruments for the indirect visual control of shaft dimensions by measuring the displacement of the grinding-wheel spindle stock	18
2. Single-contact instruments and devices for the control of shaft dimensions	19
3. Two-contact instruments and devices for the control of shaft dimensions	23
4. Three-contact instruments and devices for the control of shaft dimensions	51
5. Pneumatic instrument for contactless automatic control	83
6. Instruments and devices for the control of stepped shafts	85
7. Instruments for the control of recessed shaft surfaces	88
8. Control instruments and devices used in face-grinding on cylindrical grinders	103

Card 3/6

Instruments and Equipment (Cont.)

SOV/5862

9. Device for automatic control in the grinding of shafts with reference to the hole of a conjugated part (bushing)	108
10. Automatic readjustment of cylindrical grinders	113
Ch. III. Instruments and Readjusting Devices for the Control of Shaft Dimensions in Centerless Grinding (A. V. Vysotskiy, V. V. Kondashhevskiy, P. M. Polyanskiy, G. V. Khokhlova, M. L. Shleyfer and Z. L. Tubenshlyak)	115
1. Instruments and devices for the control of shaft dimensions in centerless grinding	115
2. Readjusting devices	116
3. Protective-blocking devices of centerless grinders	146
Ch. IV. Control Instruments and Devices in Internal Grinding (A. V. Vysotskiy, V. V. Kondashhevskiy, V. T. Kuz'michev, P. M. Polyanskiy, G. V. Khokhlova, G. V. Chasovnikov, M. L. Shleyfer)	148
1. Device for control with plug gages	148
2. Single-contact instruments and devices	151
3. Two-contact instruments and devices	178
4. Three-contact instrument with vibratory contacting transducer for visual control	196

Card 4/6

Instruments and Equipment (Cont.)	507/5862
Ch. V. Instruments and Devices for Hole Control in Honing (V. V. Kondashevskiy, V. T. Kuz'nichev, and M. L. Shleyfer)	199
Ch. VI. Instruments and Devices for Active Control in Surface Grinding (V. V. Kondashevskiy, V. T. Kuz'nichev, I. K. Morozov, and G. V. Khokhlova)	221
1. Instruments and devices for in-process control in surface grinding	221
2. Devices for automatic readjustment of surface grinders	231
Ch. VII. Device for In-Process Control in Grinding Parts With Contour Surfaces (V. V. Kondashevskiy)	243
Ch. VIII. Control Instruments and Devices Used in Lathework (A. V. Vysotskiy, V. V. Kondashhevskiy, V. T. Kur'nichev and M. L. Shleyfer)	245
1. Instruments and devices for in-process control in machining	246
2. Readjusting devices for control after turning	250
3. Blocking and protective devices used in lathework	262
Ch. IX. Devices for Automatic Readjustments in Gear Tooth Machining (V. V. Kondashevskiy)	266

Card 5/6

Instruments and Equipment (Cont.)	Sov/5862
Ch. X. Devices for Dimensional Control of the Boring Mill Operation (V. V. Kondashevskiy)	273
1. Automatic readjustment of boring mills	273
2. Protective blocking devices of boring mills	277
Ch. XI. Protective Blocking Devices of Drilling and Boring Machines (V. V. Kondashevskiy)	282
Ch. XII. Combined Instruments for the Control of Several Part Dimensions (V. T. Kir'nikov, P. M. Polyanskiy, G. V. Khokhlova, and G. V. Chasovnikov)	289
Bibliography	300

AVAILABLE: Library of Congress (SF167.P73)

Card 6/6

EV/wrc/nas

1-9-62

ZABULONOV, M.S.; GLEZER, L.S.; SHCHERBININ, A.V., inzh.-tekhnolog;
LITVAK, L.K.; GENIS, B.M.; KALEDIN, M.V.; ORLOV, V.A.;
LEBEDYANSKIY, A.A.; CHASOVNIKOV, O.V.

Innovators of the First Bearing Plant have the floor. MTO 5
no. 3:8-12 Mr '63. (MIRA 16:4)

1. Aktivist Mauchno-tehnicheskogo obshchestva 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Zabulonov, Shcherbinin, Orlov). 2. Zamestitel' predsedatelya soveta novatorov 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Glezer). 3. Predsedatel' sektsii kovki i shtampovki soveta Mauchno-tehnicheskogo obshchestva 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Litvak). 4. Nachal'nik byure tekhnicheskoy informatsii 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Genis). 5. Chlen Mauchno-tehnicheskogo obshchestva, zamestitel' sekretarya partiynogo komiteta 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Kaledin). 6. Nachal'nik avtomaticheskogo tsekha No. 2 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Orlov). 7. Predsedatel' energeticheskoy sektsii soveta Mauchno-tehnicheskogo obshchestva 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Lebedyanskiy). 8. Zamestitel' predsedatelya zavodskogo soveta Mauchno-tehnicheskogo obshchestva 1-go Gosudarstvennogo podshipnikovogo zavoda im. Kaganovicha (for Chasovnikov). (Moscow—Bearing industry—Technological innovations)

CHASOVNIKOV, L. D.

Cand Tech Sci

Dissertation: The Methods for Strength Calculation of Spiral Bevel Gears."

6 June 49

Moscow Order of the Labor Red Banner Higher Technical School
imeni Baumen.

SO Vecheryaya Moskva
Sum 71

CHASOVNIKOV, L. D.

K voprosu rascheta na prochnost' konicheskikh koles s kosymi zub'iami.
(Vestn. Mash., 1950, no. 10, p. 20-24)

Calculating the strength of bevel gears with oblique teeth.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1

CHASOVNIKOV, L. D.

"Characteristics in Calculating the Bending of Gear Teeth of Cylindrical Spiral and Helical Gears," Vest. Mash, 32, No. 2, 1952

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1"

CHASOVNIKOV, L. D., AL'SHITS, I. YA., KOROLEV, A. A.

Bearings (Machinery)

"Rolling contact bearings." R. D. Zeyzel'man, B. V. Tsypkin. Reviewed by L. D. Chasovnikov, I. Ya. Al'shits, A. A. Korolev. Vest. mash., 32, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

GAVRILENKO, Vladimir Aleksandrovich; CHASOVNIKOV, L.D., kandidat tekhnicheskikh nauk, rotsenzenz; DAVYDOV, M.S., kandidat tekhnicheskikh nauk, redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Cylindrical involute gear transmission] Tsilindricheskaya evol'ventnaya subchataia peredacha. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 295 p.
(MLRA 9:7)
(Gearing)

CHASOVNIKOV, Lev Dmitriyevich, kand. tekhn. nauk, dotsent; BOROVICH, L.S.,
kand. tekhn. nauk, retsenzent; DIKER, Ya.I., kand. tekhn. nauk,
retsenzent; KIST'YAN, Ya.G., kand. tekhn. nauk, retsenzent; POLOTSKIY,
M.S., kand. tekhn. nauk, retsenzent; KLENNIKOV, V.M., inzh., red.;
MERENSKAYA, I.Ya., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Gear transmissions; tooth and worm gears] Peredachi zatsepleniem;
subchatye i cherviachnye. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1961. 478 p. (MIRA 14:7)
(Gearing)

GAVRILENKO, V.A., doktor tekhn.nauk, prof. Prinimali uchastiye:
DAVIDOV, Ya.S.; SKVORTSOVA, N.A.; LUKICHEV, M.S.; RENEZOVA,
N.Ye.; CHASOVNIKOV, L.D., kand. tekhn. nauk, retsenzent;
DAVIDOV, Ya.S., kand. tekhn. nauk, red.; MERENSKAYA, I.Ya.,
red. izd-va; UVAROVA, A.F., tekhn. red.

[Gear transmissions in the manufacture of machinery; theory
of involute gears] Zubchatye peredachi v mashinostroenii;
teoriia evol'ventnykh zubchatykh peredach. Moskva, Mashgiz,
1962. 530 p. (MIRA 15:11)

(Gearing)

KIST'YAN, Ya.G.; UNKSOV, Ye.P., doktor tekhn.nauk, prof., red.; CHASOVNIKOV,
L.D., kand.tekhn.nauk, red.; KOZLOV, A.P., red.izd-va; UVAROVA, A.F.,
tekhn.red.

[Methods for the stress analysis of gear transmissions] Metodika
rascheta zubchatykh peredach na prochnost'. Moskva, Mashgiz, 1963.
243 p. (Moscow. TSentral'nyi nauchno-issledovatel'skii institut
tekhnologii i mashinostroeniia. Trudy, vol. 107). (MIRA 16:5)
(Gearing)

ANFIMOV, Mikhail Ivanovich; CHASOVNIKOV, L.D., kand. tekhn. nauk,
dots., retsenzent; KHRIPUNOV, P.I., inzh., red.

[Reducing gears; design and construction] Reduktory; kon-
struktsii i raschet. Moskva, Mashinostroenie, 1965. 286 p.
(MIRA 18:10)

CHASOVNIKOV, N.

Eliminating shortcomings in the training process. Prof.-tekhn.oibr.
11 no.8:3-4 N '54. (MLRA 8:1)

1. Direktor Konstantinovskogo uchilishcha mekhanisatsii sel'skogo
khonyaystva (Kamenskaya oblast')
(Technical education)

CHASOVNIKOV, V.

SOKOLOVA, Ye. (Moscow); CHASOVNIKOV, V. (Moscow).

Activities of the local physics teachers' association. Fiz. v shkole 13
no.5:69-71 8-0 '53.

(MLRA 6:8)

(Physics--Study and teaching)

CHASOVNIKOV, V.N.; MOLEV, N.Ya.

Suggestions made by the workers of the Yaroslavl Electric
Machinery Factory. Vest. elektroprom. 34 no.3:54-55 Mr '63.
(MIRA 16:8)

1. Glavnyy konstruktor Yaroslavskogo elektromashinostroitel'nogo
zavoda (for Chasovnikov). 2. Starshiy inzhener ekspluatatsionno-
issledovatel'skoy gruppy Yaroslavskogo elektromashinostroitel'nogo
zavoda (for Molev).

(Electric machinery industry)
(Electric machinery)

KUTYLOVSKIY, Mikhail Petrovich, dots.; SURGUCHEV, Vladimir Dmitriyevich
[deceased]; CHASOVNIKOV, V.N., red.

[Electric traction in city transportation] Elektriche-
skaia tiaga na gorodskom transporte. Izd.2., perer. i
dop. Moskva, Stroizdat, 1964. 343 p. (MIRA 18:3)

L 63352-65 EWA(b)-2/EWA(j)/ENT(1) -- JK
ACCESSION NR: AP5011278

UR/0016/65/000/004/0047/0052

AUTHOR: Chasovnikova, G. S.

20
8

TITLE: Complement fixation reaction with rickettsia antigens in various age groups of the population

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4, 1965, 47-52

TOPIC TAGS: man, rickettsia, antigen, complement fixation reaction, age group, blood protein

ABSTRACT: Distribution of positive complement fixation reactions to R. prowazekii, R. burnetii, R. mooseri and D. sibiricus antigens was studied in 3,348 healthy persons by age groups (18-20 yrs, 21-30 yrs, 31-40 yrs, 41-50 yrs and 51-60 yrs). The complement fixation reactions were determined by methods established by the Institute of Epidemiology and Microbiology, using a minimal titer of 1:10 for reactions to R. prowazekii and R. mooseri antigens and a minimal titer of 1:5 for reactions to R. burnetii and D. sibiricus antigens. Findings show that positive complement fixation reactions can be

Card 1/3

L 63382-65

ACCESSION NR: AP5011278

found for all the investigated rickettsial antigens, mostly in low titers. The highest number of positive complement fixation reactions were produced by the *R. prowazekii* and *R. burnetii* antigens. Positive reactions to the *R. burnetii* antigen predominated in the 21-30 yr and 31-40 yr age groups, and positive reactions to the *R. prowazekii* antigen predominated in the 41-50 yr and 51-60 yr age groups. Positive reactions to two or more antigens were found in 23%. A distinct increase in the number of positive reactions was found in older age groups for all the antigens. At this time, positive complement fixation reactions cannot be interpreted as anamnestic responses. The relatively high number of positive complement fixation reactions in the older age groups appears to be related to physicochemical changes of blood serum protein composition. In older persons it was found that the albumin/globulin ratio decreases and the gamma/globulin ratio increases, but more data are needed to establish a relation between the positive complement fixation reactions to rickettsia antigens and blood serum protein composition changes. Orig. art. has: 3 tables and 1 figure.

ASSOCIATION: None.

Card 2/3

L 63352-65

ACCESSION NR: AP5011278

SUBMITTED: 01Feb64 ENCL: 00

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NR REF SOV: 011 OTHER: 001

MC
Card 3/3

CHASOVNIKOVA, Yevgeniya Petrovna

Materials for studies about elementary-toxicritical (aleykii)

Dissertation for candidate of a Medical Science Degree.
Chair of Infectious Diseases (head prof. A.I. Lukova) Saratov Medical
Institute, 1946.

CHASOVNIKOVA, Ye.P.

Specific vaccinotherapy of brucellosis. Klin. med., Moskva 31 no.6:14-
26 June 1953. (GLML 25:1)

1. Candidate Medical Sciences. 2. Of the Clinic for Infectious Diseases
(Head -- Prof. A. I. Lukova), Saratov Medical Institute.

CHASOVNIKOVA, Ye.P., kandidat meditsinskikh nauk.

Certain characteristics of the clinical course of dysentery.

Sov.med.18 no.3:13-16 Mr '54.

(MLRA 7:2)

(Dysentery)

BYREYEV, P.A., prof.; VARSHAMOV, L.A., prof.; VOLYNSKIY, B.G., dotsent; Gerasimov, N.V., dotsent; GUREVICH, L.I., dotsent; ZHELYABOVSKIY, G.M., prof.; KARTASHOV, P.P., prof.; KOCHETOV, K.P., dotsent; KHUGLOV, A.N., prof.; KUTANIN, M.P., prof.; LARINA, V.S., dotsent; LOBKOV, I.S., doktor [deceased]; LUKOVA, A.I., prof.; MAKHLIM, Ye.Yu., prof.; MAUMOV, A.I., kand.med.nauk; POPOV'YAN, I.M., prof.; SOLJUN, N.S., kand.med.nauk; TARABUKHIN, M.M., dotsent; TRET'YAKOV, K.N., prof.; TRISHINA, A.A., kand.med.nauk; UL'YANOVA, A.V., dotsent; FAYN, A.E., kand.med.nauk; FAKTOROVICH, A.M., dotsent; FRANKFURT, A.I., prof.; FISHER, L.I., dotsent; CHASOVNIKOVA, Ye.P., kand.med.nauk; SHAMARIN, P.I., prof.; SHAPIRO, M.Ya., dotsent; SHVARTS, L.S., prof.; SHUSTERMAN, I.B., dotsent; FOY, A.M., prof.; FREYDMAN, S.L., kand.med.nauk; NIKITIN, B.A., dotsent, red.; AFANAS'YEV, I.A., red.; LUKASHEVICH, V., tekhn.red.

[Concise medical reference book] Kratkiy terapevticheskii spravochnik. Izd.3., ispr. i dop. Saratov, Saratovskoe knishnoe izd-vo, 1959. 919 p. (MIRA 13:7)

1. Chlen-korrespondent AMN SSSR (for Tret'yakov).
(MEDICINE--HANDBOOKS, MANUALS, ETC.)

ACCESSION NR: AP4017161

S/0138/64/000/002/0009/0011

AUTHORS: Koshelev, F. F.; Korablev, Yu. G.; Bukanov, A. M.; Chasovshchikov, G. L.

TITLE: The strengthening of rubber films by alkaline lignin

SOURCE: Kauchuk i rezina, no. 2, 1964, 9-11

TOPIC TAGS: synthetic rubber, emulsion polymerization, zinc oxide, thiuram, sodium oleate, Leukanol, lignin, physicomechanical property, vulcanization, calcium chloride

ABSTRACT: Commercial synthetic rubbers, and experimental butadiene-containing rubbers prepared at the polymerization laboratory of the Institut organicheskoy Khimi AN SSSR (Institute of Organic Chemistry AN SSSR) were investigated. The lignin was obtained from waste sulfite liquor of wood pulp processing. Most of the mixtures consisted of 100 parts rubber (by weight), 5 parts of a 33% dispersion of zinc oxide, and 3 parts of a similar dispersion of thiuram. The solid ingredients were dispersed in a 5% aqueous solution of Leukanol in a ball mill. A 15% lignin solution in 20% ammonia was prepared, and up to 10% of it was added to the rubber dispersion. No vulcanizing agents were used for films prepared from SKD-1 and L-7 commercial rubbers, since the undercoat of calcium chloride (applied to the glass Card 1/2

ACCESSION NR: AP4017161

molds where the films were cast) acts as a vulcanizing agent for carboxylic type rubbers, as does lignin. The films were subjected to syneresis in warm water for 30 minutes, dried in a thermostat at 70C, and vulcanized at 140-150C for various periods of time. It was found that in all instances the tensile strength and modulus at 300% elongation increased as the result of incorporation of lignin. The extraction of lignin from the compounded rubbers by 2% alkali was observed to decrease with the duration of vulcanization, suggesting a chemical bond. Orig. art. has: 3 charts.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Industry)

SUBMITTED: 00

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: CH

NO REF Sov: 003

OTHER: 004

Card 2/2

CHASOVSKAYA, Z.I.

Methods for constructing a floating obturator. Stomatologija 36
no.2:62-68 Mr-Apr '57.
(MIRA 10:6)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta
travmatologii i ortopedii imeni R.R.Vredena (dir. V.S.Balakina)
(DENTAL INSTRUMENTS AND APPARATUS) (PALATE, CLEFT)

CHASOVSKAYA, Z.I.

Use of a floating obturator for the palate in early childhood.
Trudy Len.gos.nauch.-issl.inst.travn.i ortop. no.7:284-289
'58. (MIRA 13:6)

1. Iz chelyustno-litsevogo otdeleniya Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(PALATE, CLINIC)

CHASOVSKAYA, Z. I. Cand Med Sci — (diss) "The use of a "floating" obturator during congenital cleft of the palate in the period prior to an operation," Leningrad, 1960, 20 pp, 500 cop.
(State Institute for The Advanced Training of Physicians im S. M. Kirov) (KL, 44-60, 133)

CHASOVSKAYA, Z.I., kand. med. nauk

Orthodontic correction of the bite following surgical treatment
of unilateral micrognathia (with a preliminary compactostatomy)
Stomatologiya 43 no.1:77-80 Ja-F'64 (MIRA 1724)

1. Chleyustno-litsevoys otdeleeniye (zav. A.T. Titova) Lenin-
gradskogo nauchno-issledovatel'skogo instituta travmatologii i
ortopedii.

CHERNOV, V.A.; CHASOVSKIKH, I.D.

Some characteristics of the crookedness of wells and method for
controlling it. Razved. i okh. nedr 27 no.4:18-23 Ap '61.
(MIRA 14:5)

1. Bakal'skaya geologorazvedochnaya partiya.
(Shaft sinking)

KUZNETSOV, Yu.B.; LAURENOV, B.K.; CHASOVSKIKH, G.G.; SHABANOV, A.M.;
SHIL'NIKOV, L.I.

Local use of tripaflavin in alveolar echinococcosis of the liver.
Med.paraz.i paraz.bol. 29 no.48421-426 Jl-Ag '60.

(MIRA 13:11)

1. Iz kafedr gospital'noy khirurgii (sav. - prof. I.L. Bregadze)
i patologicheskoy anatomi (sav. - prof. V.M. Konstantinov) Novo-
sibirskogo meditsinskogo instituta (dir. - prof. G.D. Zalesskiy).
(LIVER)—HYDATIDS (ANTISEPTICS)

SHURIN, S.P.; CHASOVSKIKH, G.G.; MIKHAYLOVA, L.P.; GRIGOR'YEV, Yu.A.;
MELESHIN, S.V.

Effect of heparin on cells of malignant tumor in tissue culture.
Biul. eksp. biol. i med. 57 no.3:85-88 Mr '64.

(MIRA 17:11)

1. Novosibirskiy meditsinskiy institut. Predstavlena deystvitel'-
nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

CHASOVSKIY, V. (Taganrog)

A transistor amplifier. Radio no.11:46 N '62. (MIRA 15:12)
(Transistor amplifiers)

CHASOVSKIY, Y.Z.; ZIGMIND, F.F.

Process of mixing by means of mechanical agitators when a certain amount of heat is being transmitted through the stirred mass.
Trudy KKHTI no.30:315-328 '62.

Effectiveness of mixing by means of mechanical agitators under anisothermal conditions. 329-340 (MIRA 16:10)

Chasovskoy, V.P.

NAME & BOOK INFORMATION	REF#
1. <i>Hydro-mechanics of shipboard hydraulic powerplants.</i> Candidate's thesis on hydro-mechanics of shipboard powerplants. Candidate's thesis, Institute of Hydrodynamic Transmissions (Hydrodynamic Transmissions) Moscow, Russia, 1979, 205 p. (Series: Sci. Tr., vop. 52) 3,000 copies printed.	807/2779
2. V.P. Chasovskoy, Candidate of Technical Sciences, Doctoral Tech. Sci.: Inst. of Hydrodynamic Transmissions, Moscow, Russia, Institute of Machine Building Technology (Machinebuilding Institute), Tsvetnoy Bulvar, Moscow, Russia.	
3. <i>Notes: This book is intended for engineering and technical personnel in the field of hydromechanics. It may also be used as a textbook for students of higher educational schools.</i>	
4. <i>Abstract:</i> The book is a collection of 40 papers based on the first conference on hydro-mechanical transmission held in Leningrad from 9-11 November, 1977, at which problems of calculation, design, production and operation of hydro-mechanical and hydraulic converters widely used in industry were discussed.	
5. <i>Table of Contents:</i>	
1. <i>General. 1.1. Development of Hydrodynamic Transmissions systems and their application to the USSR.</i> 9	
2. <i>A brief account of the development of hydrodynamic transmission in the USSR and abroad is given and basic trends in future development are discussed.</i> 9	
3. <i>Abstracts. 1.2. Present State of the Theory of Calculation of Hydrodynamic Plants of Hydrodynamic Transmissions and Their Further Development.</i> 13	
4. <i>Cardiakova, S. Some Problems in Calculating Hydrodynamic Turbine Converters.</i> 13	
5. <i>Makarenko, Yu. Application of the Flow Sheet Theory to the Investigation and Design of Hydrodynamic Converters and Hydrodynamic Transmissions.</i> 17	
6. <i>Lebedev, Yu. Investigation of the Influence of Basic Geometrical Parameters of Rotors on the Characteristics of one-stage Hydrodynamic Converters.</i> 21	
7. <i>Bil'kovich, I.I. Influence of Hydrodynamic Converter Parameters and the Transmission Ratio on the Dynamics of Starting.</i> 69	
8. <i>Slobodcov, M.V. Investigation of the Influence of Basic Geometrical Parameters of Rotors on the Characteristics of one-Stage Hydrodynamic Converters.</i> 101	
9. <i>Kostylev, A.N. Experience in Designing, Producing and Testing Hydrodynamic Converters.</i> 108	
10. <i>Slobodcov, M.V. Influence of the Cabined Characteristics of Hydrodynamic Converters and Internal Combustion Engines on Basic Indicators of the Power Plant.</i> 115	
11. <i>Kostylev, A.N. Experience in Designing, Producing and Testing Hydrodynamic Converters.</i> 126	
12. <i>Shchegolev, S.L. Using a Turbine Converter on One-engine Cruises.</i> 159	
13. <i>Pozzaniuk, Yu. I. Choice of Parameters and Design for a Turbo-converter Working via Universal Diesel-operated Generators.</i> 171	
14. <i>Al'moshinov, D. M. Characteristics of Reversing Ships by Means of Hydrodynamic Transmissions.</i> 182	
15. <i>Slobodcov, M.V. Investigation of Clutches in the Hydrodynamic Laboratory Laboratories of the Academy of Sciences, USSR.</i> 188	
16. <i>Gribanov, A.D. Hydrodynamic Transmissions of Ships.</i> 201	
17. <i>Gribanov, A.D., and L.A. Gribanova. Some Problems of Hydrodynamic Transmissions.</i> 207	
<i>End of file</i>	

GRYANKO, L.P.; CHASOVSKOI, V.P.

Some problems in the terminology of hydrodynamic transmissions.
[Izd.] IONITOMASH 52:207-216 '59. (MIRA 12:12)
(Oil hydraulic machinery)

BALINT, P.; CHATEL, R.

Renal circulation and baroreceptor reflexes. Acta
physiol. Acad. sci. Hung. 20 no.4:363-371 '65.

1. Department of Physiology, University Medical School,
Budapest. Submitted February 11, 1965.

CHASTIKOVA, A. V.

Chastikova, A.V. "Penicillin therapy of uncomplicated gonorrhea in women,"
Nauch. zapiski Gor'k. in-ta dermatologii i venerologii i Katedry kozhno-verenich.
bolezney GGMI im. Kirova, Issue 12, 1948, p. 269-73

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1343. ALBOMYCIN AND BIOMYCIN (CHLORTETRACYCLINE) IN THE TREATMENT OF GONORRHOEA IN WOMEN(Russian text) - Chastikova A. V. - NAUCH. ZAP. GORK. INST. DERM. I VENER. KAF. KOZHNO-VENER. BOLEZ. GGMI 1956, 17 (260-263)

Five women were treated for acute or chronic gonorrhoea with albomycin, total dosage ranging from 5-6 million to 28-49 million units, and did not respond to treatment. Thirty-three women were treated successfully with oral biomycin in doses from 0.5 to 6 million units per course. A total dosage of 1 million units is recommended. Slight, transient side-effects not necessitating the withdrawal of the drug were observed in 19 patients.

(S)

EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1216. A CASE OF MONILIASIS FOLLOWING SMALL DOSES OF ANTIBIOTICS
(Russian text) -Chastikova A. V. - NAUCH. ZAP. GORK. INST. DERM.
I VENER. KAF. KOZINO-VENER. BOLEZ. GGMI 1956, 17 (272-273)

A female patient aged 27 was treated for acute gonorrhoea with penicillin 300,000 U. i. m. and biomycin (chlortetracycline) 500,000 U. by mouth. On the 11th day after the treatment she developed a sore throat and an acute vulvo-vaginal inflammation. The vaginal mucous membrane was covered with white deposits; vaginal smears showed the presence of fungi of the genus Candida. All symptoms disappeared after topical application of 2% boric acid and painting the vaginal wall with a 1% solution of brilliant green. The development of the fungal infection was ascribed to the preceding administration of biomycin. (S)

ARTEM'YEV, S.A.; NYUNIKOVA, O.I.; ZHAROV, A.V.; METAL'NIKOV, B.P.; KISLOVA, T.A.;
STAROSTINA, Z.D.; CHASTIKOVA, A.V.; TEMYANKO, S.A.; IKONNIKOV, N.N.;
ARALOVA, Z.T.; GRISHINA, R.N.

Levomycetin in the treatment of gonorrhea; results of a cooperative
study. Vest. derm. i ven. 33 no.2:70-73 Mr-Ap '59. (MIRA 12:7)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (zav. otdelom gonorei - prof. I.M. Porudominskiy, dir. - kand. med.
nauk N.M. Turanov) Ministerstva zdravookhraneniya SSSR. 2. Tsentral'nyy
nauchno-issledovatel'skiy kozhno-venerologicheskiy institut (for Nyunkova).
3. Bashkirskiy krayevoy kozhno-venerologicheskiy institut (for Zharov).
4. Gor'kovskiy krayevoy kozhno-venerologicheskiy institut (for Temyanko).
5. Sverdlovskiy krayevoy kozhno-venerologicheskiy institut (for Grishina).

(CHLORAMPHENICOL, ther. use,
gonorrhea (Rus))
(GONORRHEA, ther.
chloramphenicol (Rus))

PESINA, Z.A.; CHASTIKOVA, A.V.

Sensitivity of gonococci to antibiotics in various forms of
gonorrhea in women. Antibiotiki 10 no.9:852-855 S '65.
(MIRA 18:9)

1. Gor'kovskiy nauchno-issledovatel'skiy kozhno-venerologi-
cheskiy institut.

CHASTIY, O.F.

Interlacing of the selvage threads in jacquard fabrics. Tekst.
prom. 23 no.10:75-76 O '63. (MIRA 17:1)

1. Nachal'nik tkatskogo tsekha Moskovskogo shelkovogo kombinata
imeni Ya. M. Sverdlova.

CHASTNIKOV, I.Ya.
LUKIN, Yu.T.; TAKIBYAEV, Zh.S.; CHASTNIKOV, I.Ya.

Investigating the distortions in nuclear emulsions caused by
embedded filaments. Prib. i tekhn.eksp. no.4:27-29 Jl-Ag '57.
(MIRA 10:10)

I.Fiziko-tehnicheskiy institut AN KazSSR.
(Photography, Particle track)

NOVOSEL'TSEV, V.N., inzh.: CHASTNYY, L.G.

Simplified means of assembling flexible couplings. Stroi.
truboprov. 6 no.4:22-23 Ap '61. (MIRA 14:6)

1. Spetsializirovanny montazhnyy trest No.8.
(Electric lines)

CHASTNYY, P.

Comrade Michnik is right. Obshchestv. pit. no. 3:28 Mr '61.
(MIRA 14:4)

1. Zamestitel' direktora Pervogo tresta stolovykh i restoranov,
g. Alma-Ata.
(Alam-Ata--Restaruants, lunchrooms, etc.--Equipment and supplies)

CHASTNYY, Petr Mefol'yevich; NURALIYEV, R., red.; KUZEMBAYEVA, A.,
tekhn. red.

[Kazakhstan national cookery] Natsional'nye bliuda Kazakh-
stana. Izd. 3., perer. i dop. Alma-Ata, Kazakhskoe gos. izd-
vo, 1962. 92 p. (MIRA 15:9)
(Cookery, Kazakhstan)

CHASTOV, A.

Repair of tires at the Moscow Experimental Plant. Avt.transp.
43 no.11:63 N '65. (MIRA 18:12)

1. Direktor Moskovskogo eksperimental'nogo shinoremontnogo
zavoda.

L 38112-65 EWT(1)
ACCESSION NR: AP5006038

S/0141/64/007/006/1205/1207

AUTHOR: Gryaznov, Yu. M.; Chastov, A. A.

TITLE: Form of sequence of spin echo when pulses not satisfying the condition for
rotation by 180° are used

SOURCE: IVUZ, Radiofizika, v. 7, no. 6, 1964, 1205-1207

TOPIC TAGS: spin echo, magnetic moment, spin resonance

ABSTRACT: The article deals with observation of spin echo by the method of H. Y. Carr and E. M. Purcell (Phys. Rev. v. 94, 630, 1954), but using a sequence of pulses not satisfying the condition usually imposed, namely $\gamma H_1 \Delta t = \pi$ (H_1 -- intensity of the high-frequency field, γ -- gyromagnetic ratio, Δt -- duration of the pulse). It is assumed that the relaxation processes occurring during the passage of the pulse sequence can be neglected. The signal produced after the n -th pulse is calculated with the aid of a coordinate transformation in which the cumulative rotation of the magnetic moment is proportional to the number of pulses. This results in an expression that permits a more detailed investigation of the

Card 1/2

L 38112-65
ACCESSION NR: AP5006038

wave form of the spin-echo signal and which yields for the amplitude of the spin-echo signal a value that agrees with experiment. Orig. art. has: 9 formulas.

ASSOCIATION: None

SUBMITTED: 04 May 64

ENCL: 00

SUB CODE: NP

NR REF Sov: 000

OTHER: 002

me
Card 2/2

I-43749-65 EEC(5)-2/3(F(c)/EWG(r)/EEG(k)-2/EWA(x)/EWA(k)/EWP(j)/EWP(k)/EWA(g)/
EWT(l)/EWT(m)/EEC(n)/FBD/EWP(i)/T/EWA(m)-2/EWP(e) Fc=4/Pi=4/Pi=4/Pi=4/
Pn=4/Pn=4/Pn=4/Pn=4/Pn=4 IJP(o) WG/RM/WA
ACCESSION NR: AP5006539 S/0056/85/048/002/0772/0773

AUTHOR: Gavrilov, V. N.; Gryaznov, Yu. M.; Lebedev, O. L.; Chastov, A. A. 90 B

TITLE: Variations in ruby laser emission caused by placing phthalocyanine solutions in the resonator

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 2, 1965,
772-773

TOPIC TAGS: ruby laser, coherent optical propagation, phthalocyanine, quincline derivative, organic dye

ABSTRACT: The effect of concentration of solutions for various phthalocyanines on the nature of ruby laser emission is investigated. Variations in laser emission were found in luminescent magnesium and zinc phthalocyanines and free phthalocyanine, and also for copper and vanadium phthalocyanines which do not show luminescence. Instead of the usual irregular pulsations in output emission, in this case one or more powerful short pulses are produced. The number of pulses increases with an increase in the transmittance of the phthalocyanine solution. Distortion of the leading edge of the pulse may be due to the narrow passband of the recording

Cord 1/2

L 43744-63
ACCESSION NR: AP5006539

system. The comparatively low power of vLMW is explained by the fact that the parameters of the solutions used were not optimum. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 12Dec64

ENCL: 00

SUB CODE: OP

NO REF Sov: 002

OTHER: 001

856
Card 2/2

L 65226-65 EWA(k)/FBD/EWT(1)/EWP(e)/EWT(m)/EEC(k)-2/EWP(i)/T/EWP(k)/EWP(b)/
EWA(m)-2/EWA(h) IJP(c) WG/WH
ACCESSION NR: AP5014195

UR/0386/65/001/002/0014/0017

AUTHOR: Lebedev, O. L.; Gavrilov, V. N.; Gryaznov, Yu. M.; Chastov, A. A.

TITLE: Obtaining giant pulses from a neodymium glass laser with help of bleachable solutions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
Prilozheniya, v. 1, no. 2, 1965, 14-17

TOPIC TAGS: laser, neodymium glass ^{25,44} laser, liquid Q switch, photochemical shutter,
giant pulse

ABSTRACT: Emission characteristics obtained from a Q-switched neodymium glass laser were described. The Q-switching was achieved with the help of a reversibly bleachable liquid which was a solution of a polymethine dye in quinoline. The experimental setup was described, which consisted of a neodymium activated glass rod and a cell with a dye solution placed in the optical cavity between the laser rod and one of the external dielectric mirrors. A few short and powerful pulses were generated by this system. Duration of each pulse and number of pulses were found to decrease to 100 nsec and one, respectively, when transmittance of the solution was gradually decreased to 36%. Orig. art. has: 2 figures. [JR]

Card 1/2

L 65226-65

ACCESSION NR: AP5014195

ASSOCIATION: none

SUBMITTED: 01Mar65

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 005

Card

2/2

LEBEDEV, O.I.; GAVRILOV, V.N.; GRYAZNOV, Yu.M.; CHASTOV, A.A.

Gigantic laser radiation pulses on glass activated by neodymium
with the aid of clarifying solutions. Pis'. v red. Zhur. eksper.
i teoret. fiz. 1 no.2:14-17 Ap '65. (MIRA 18:10)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1

CHASTOVICH, G. N.

"Staphylococccic Lecithinase," Zhur Mikrobiol, Epidemiol i Immunobiol, 1950, No 10

Mikrobiologiya, Vol XX, No 5, 1951

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1"

GAVRILOV, V.N.; GRYAZNOV, Yu.M.; LEBEDEV, O.L.; CHASTOV, A.A.

Change in the character of the emission from a ruby laser caused
by phthalocyanine solutions placed in the resonator. Zhur. eksp.
i teor. fiz. 48 no.2:772-773 F '65. (MIRA 18:11)

L 04643-67 EWT(i)/EWP(e)/EWT(m)/EEC(k)-2/EWF(j)/EWP(k) IJP(c) WG/JT/RM/WB
ACC NR: AP6011570 SOURCE CODE: UR/0051/66/020/003/0503/0505

AUTHOR: Gryaznov, Yu. M.; Lebedev, O. L.; Chastov, A. A.

ORG: none

TITLE: Passive Q-switching of a ruby laser with bleachable phthalocyanines

SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 503-505

TOPIC TAGS: ruby laser, laser R and D, phthalocyanine

66
57

B

ABSTRACT: The application of reversibly bleachable phthalocyanine solutions for generation of giant pulses from a ruby laser was the subject of several previous Soviet and American studies. Phthalocyanines of magnesium, vanadium, zinc, copper, and metal-free phthalocyanine in pyridine or quinoline solutions were previously used by a team of Soviet authors headed by V. N. Gavrilov and Yu. M. Gryaznov [association unknown] to generate

UDC: 621.375.9:535:553.824

Card 1/5

L 04643-67

ACC NR: AP6011570

single pulses of 1 Mw maximum power from a ruby laser. Another team of Soviet scientists, headed by A. L. Mikaelyan, obtained pulses of less than 20 nsec duration from a ruby laser employing a vanadium phthalocyanine solution in nitrobenzene as a passive Q-switching element. A third Soviet team, composed of L. S. Dovger, B. A. Yermakov, A. V. Lukin, and L. P. Shklover, in a study of bleaching of certain organic solutions in the cavity of a ruby laser, found the efficiency of vanadyl phthalocyanine in nitrobenzene and kryptocyanine in methanol was nearly equal in generating giant pulses; the efficiency of zirconium phthalocyanine solution in α -bromo-naphthalene was several times lower. To the present time, the best results were obtained in 1964 by a team of IBM scientists with a solution of aluminum phthalocyanine chloride in 1-chloronaphthalene.

Recently, the above-mentioned team of Soviet scientists headed by Yu. M. Gryaznov published the results of a systematic study of some 22 phthalocyanines and naphthalocyanines. These scientists attempted to expose the relationship between the energetic characteristics of giant pulses and spectral absorption properties of Q-switching solutions of the phthalocyanines studied. Only fifteen most chemically stable compounds were considered in the study with the apparent purpose of selecting the most efficient of them. Quinoline and o-dichlorobenzene were used as solvents. The total energy output of a

Card 2/5

L 04643-67

ACC NR: AP6011570

series of giant pulses and the average energy output of a single pulse were generally increasing with a decrease in the difference between the wavelength of maximum absorption of the compound and the 6943 Å wavelength of laser emission. This conclusion was made from a comparison of the data presented in Fig. 1 and the wavelengths of maximum absorption of the compounds, which are, respectively: 1 - 6925; 2 - 6910; 3 - 6880; 4 - 6900; 5 - 7020; 6 - 6800; 7 - 7060 Å. A shift in the position of maximum absorption toward the 6943 Å emission line in the sequence: Cu < Al < Cr < Ga of the phthalocyanine series coincided with an increase in the emission output of the laser. The λ_{max} of absorption also shifted one way or another when o-dichlorobenzene was substituted for quinoline as the solvent.

The best results were obtained with gallium phthalocyanine chloride and zinc naphthalocyanine. Performance of the gallium phthalocyanine chloride solution in quinoline as the passive Q-switching element in a ruby laser was illustrated by the following data. Single pulses of 18Mw power output and ~40 nsec duration were obtained at 0.7j energy of a pulse (20% of the energy output in the free mode generation of the laser) from an 800 mm long cavity containing a 120 mm long ruby rod between the mirrors with 50 and 99% reflection. Width of the emission spectral line was narrowed to less than $3 \cdot 10^{-2}$ Å when a bleachable solution was used.

Card 3/5

L 04643-67
ACC NR: AP6011570

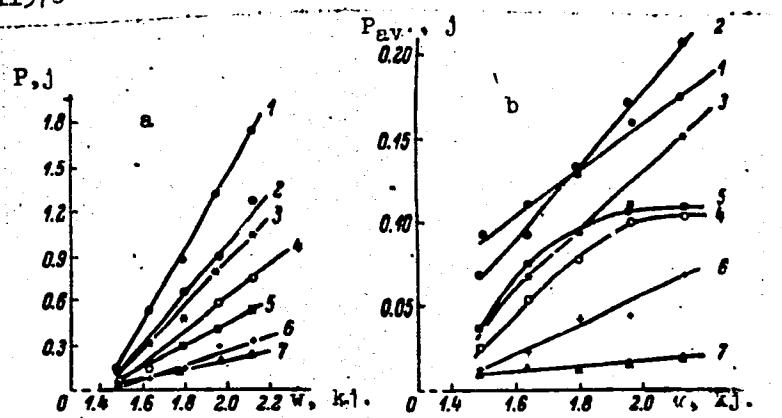


Fig. 1. Pump energy (W) dependence of the total energy output (P) of a series of giant pulses (a) and of the average energy ($P_{av.}$) of a single pulse (b) with certain bleachable compounds.

1 — gallium phthalocyanine chloride; 2 — zinc naphthalocyanine; 3 — chromium phthalocyanine chloride; 4 — copper naphthalocyanine; 5 — vanadyl phthalocyanine; 6 — copper phthalocyanine; 7 — kryptocyanine. Solvent: quinoline. Cell transparency: 60%.

Card 4/5

L 04643-67
ACC NR: AP6011570

A study of the effect of transparency (concentration) of the gallium phthalocyanine chloride solution on the energy output of a single pulse indicated a maximum energy (~0.75 j) at about 20% transmission. A decrease in the energy output with decreasing transparency below 20% was attributed to a lowering of the cavity Q because of absorption of energy of a giant pulse by the phthalocyanine molecules in the ground and excited states. 4

In conclusion, the authors thank V. K. Kolesnikova, V. N. Gavrilov, and V. V. Kozlov for assistance.

COMMENT: A limited search of the Soviet literature published in 1964-66 failed to reveal the association of the authors of the article reviewed. The association of the other Soviet scientists mentioned in this note could not be ascertained at the present time. However, other sources indicate that in 1965, L. P. Shklover was associated with the All-Union Institute of Chemical Reagents and in 1963, with the Moscow Institute of Fine Chemical Technology. Information published after the reviewed article on further Soviet progress in the application of phthalocyanines in the passive-switched ruby lasers was reported in the ATD Press. ~~The authors thank V. K. Kolesnikova, V. N. Gavrilov, and V. V. Kozlov for assistance.~~ Orig. art. has: 2 figures and 1 table.
[FSB: v. 2, no. 10]

SUB CODE: 20 / SUBM DATE: 12Jul65 / ORIG REF: 002 / OTH REF: 003
Card 5/5 awm

ACC NR: AP6036813

SOURCE CODE: UR/0368/66/005/005/0609/0613

AUTHOR: Borovitskiy, S. I.; Gryaznov, Yu. M.; Chastov, A. A.

ORG: none

TITLE: The width of the emission spectrum of a ruby laser with a bleaching liquid
Q switch

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 5, 1966, 609-613

TOPIC TAGS: solid state laser, ruby laser, Q switching, passive switching,
phthalocyanine, gallium chloride, selenium glass, cadmium glass/KS-18, KS-19

ABSTRACT: The width of the emission spectrum of a ruby laser with a passive Q-switch was investigated for various generation regimes. The block diagram of the experimental setup is shown in Fig. 1. The active substance consisted of a polished ruby rod 1 (120 mm long and 10 mm in diameter with plane-parallel ends). The semi-confocal cavity comprised one ~97% reflective (at 6925 Å) spherical mirror 3 with a 1000-mm radius of curvature and a stack of plane-parallel plates 4 placed in the focus of 3. The pumping was carried out by means of two IFP-2000 lamps, the pumping energy varying from 2 to 4 kJ. The optical switch 2 consisted of a phthalocyanine solution of gallium chloride in quinoline and was contained in a cell 5 mm thick with glass windows. The cell was tilted at a small angle to the laser axis. The transparency of the solution-filled cells used in the experiments was 25, 40, and 50%. The number

UDC: 621.375.9

Card 1/3

ACC NR: AP6036813

of giant laser pulses was recorded by an FEU-28 photomultiplier 5 and an oscilloscope 6. An IT-51-30 Fabry-Perot wedge interferometer was used. Its plates were coated with a multilayered dielectric surface with a 94% reflectivity at 6943 Å. The experiments were carried out at h (interferometer base) of 10 and 30 mm and the interferometer resolution range at $h = 30$ mm was $3.3 \times 10^{-3} \text{ cm}^{-1}$. The interferometer was illuminated by a parallel light beam from a telescope 7 fixed on an OSK-3 optical bench. The interferometer output was recorded on film in a lensless camera 9. The interferometer was tuned by means of Ne-He laser 10, splitter plate 11, and diaphragm 12. The total width of the emission spectrum of a ruby was 0.02 cm^{-1} in the case of free generation. The emission spectrum of a Q-switched laser was considerably narrower and consisted of one component whose width (measured by an MF-2 microphotometer)

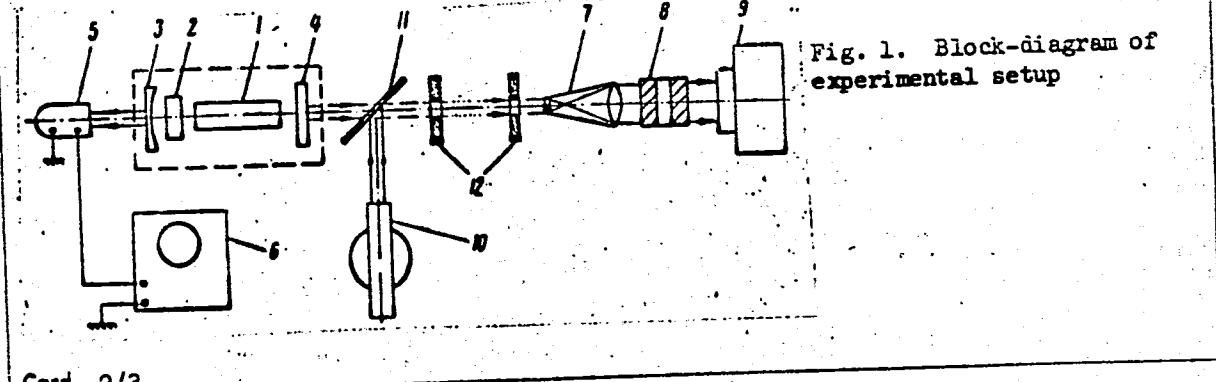


Fig. 1. Block-diagram of experimental setup

Card 2/3

ACC NR: AP6036813

meter) was $5 \times 10^{-3} \text{ cm}^{-1}$. This is comparable to the spectral width of a giant pulse obtained by F. J. McClung and D. Weiner (IEEE, J. Quantum Electronics, 1, no. 2, 1965, 94), who used a rotating prism for Q-switching and plane-parallel plates and a cell with a cryptocyanine dye for mode selection. In the case of giant-pulse operation using a passive Q-switch, the number of spectral lines increases with the pumping energy, with the number of lines being equal to the number of giant pulses. No significant changes in the quality of interferograms was observed when the ruby rod was replaced with another specimen, although in the case of a plane-parallel cavity considerable changes were observed from ruby to ruby. Other substances, such as KS-18 and KS-19 Se-Cd glass, were also investigated as passive switches. The width of the emission spectrum of a laser with a KS-19 filter was $7 \times 10^{-3} \text{ cm}^{-1}$, and its total width increased with the pumping energy. Orig. art. has: 2 formulas and 3 figures.

SUB CODE: 20/ SUBM DATE: 28Dec65/ ORIG REF: 003/ OTH REF: 003/ ATD PRESS: 5108

Card 3/3

FEL'IMAN, Aleksey Bernardovich; CHASTOYEDOV, Leonid Aleksandrovich;
KONTSEVOY, G.M., inzh., retsenzent; NOVIKAS, M.N., inzh.,
red.; KHITROVA, N.A., tekhn. red.

[Electric power supply for railroad telecommunication apparatus]
Elektropitanie ustroistv sviazi na zheleznedorozhnom
transporte. Moskva, Transzheldorizdat, 1962. 222 p.
(MIRA 15:10)

(Electric power supply to apparatus)
(Railroads--Electric equipment)

MEYERSON, Samuil Iudovich; CHASTOYEDOV, L.A., inzh., retsenzent;
MARENKOVA, G.I., inz h., red.; MEDVEDEVA, M.A., tekhn.red.

[Electrical engineering and power supply sources] Elektro-
tekhnika i istochniki pitanija ustroistv STsB i sviazi. Izd.2.,
perer. i dop. Moskva, Transzheldorizdat, 1963. 403 p.
(MIRA 16:10)

(Railroads--Signaling--Centralized traffic control)
(Railroads--Communication systems)

KUZNETSOV, Sergey Mikhaylovich; CHASTUKHIN, S.A., inzh.-geodezist, retsenzent; KLIMOV, O.D., kand.tekhn.nauk, retsenzent; MURAV'YEV, M.S., dotsent, retsenzent; LEVCHUK, G.P., dotsent, kand.tekhn.nauk, retsenzent; LEBEDEV, N.N., dotsent, retsenzent; GLOTOV, G.F., dotsent, retsenzent; GRIGOR'YEV, V.M., inzh.-geodezist, retsenzent; PIMENOV, A.F., inzh.-geodesist, retsenzent; BULIKOV, Ye.F., dotsent, red.; KHROMCHENKO, F.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Geodetic operations in the design and construction of hydraulic structures] Geodezicheskie raboty pri proektirovani i stroitel'stve gidrotehnicheskikh sooruzhenii. Moskva, Izd-vo geod.lit-ry, 1960.
173 p.

(Hydraulic engineering) (Surveying)

(MIRA 13:9)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1

CHASTUKHIN, V. I.

F

5476. COMBINED GAS AND OIL FIRING OF SMALL COPPER SMELTING FURNACE.
Chastukhin, V.I. (Za Ekon. Topliva [Fuel Econ.], Oct. 1950, 34).
Simple burner for using either or both fuels is illustrated. (1.).

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308210006-1"

CHASTUKHIN, V. I.

USSR/Metallurgy - Foundry, Equipment Jun 52

"New Low-Capacity Flame Furnace for Copper Melting," V. I. Chastukhin, Cand Tech Sci

"Litey Proizvod" No 5, pp.10-12

Suggests design of furnace in which burner flame is directed not on surface of metal, as in existing furnaces, but instead moves along furnace roof and only in reverse direction along metal surface. States that only after complete combustion of fuel do smoke gases contact metal, creating weakly oxidizing or neutral atm in furnace. Conservation of fuel amounts to 8-10%.

23CT38

SOV/96-59-7-20/26

AUTHORS: Chastukhin, V.I. and Zarechanskiy, Ye. I.,
Candidates of Technical Sciences

TITLE: A Vibration Method of Removing Ash Deposits from Boiler
Heating Surfaces (Vibratsionnyy metod ochistki
poverkhnostey nagreva kotla ot zolovykh zagryazneniy)

PERIODICAL: Teploenergetika, 1959, Nr 7, pp 89-91 (USSR)

ABSTRACT: A distillery burns molasses residue under a Lamont boiler of East German manufacture. The boiler heating surface consists of vertical coils of tube, as shown in Figure 1. Mineral salts from the molasses contaminate the tubes and the boiler manufacturer provided a mechanical rapping device which unfortunately was inadequate. A number of vibrators were tried and found to be unsuccessful, but a directional vibrator of the type illustrated in Figure 2 proved satisfactory. The construction and method of installation of this vibrator is described, and it is illustrated in Figure 3. Tests on the equipment are described; the best results were obtained with a frequency of 28 to 30 1/s and an amplitude of 0.3 to 1.5 mm. The vibrator is used for 1 1/2 or 2 minutes

Card 1/2

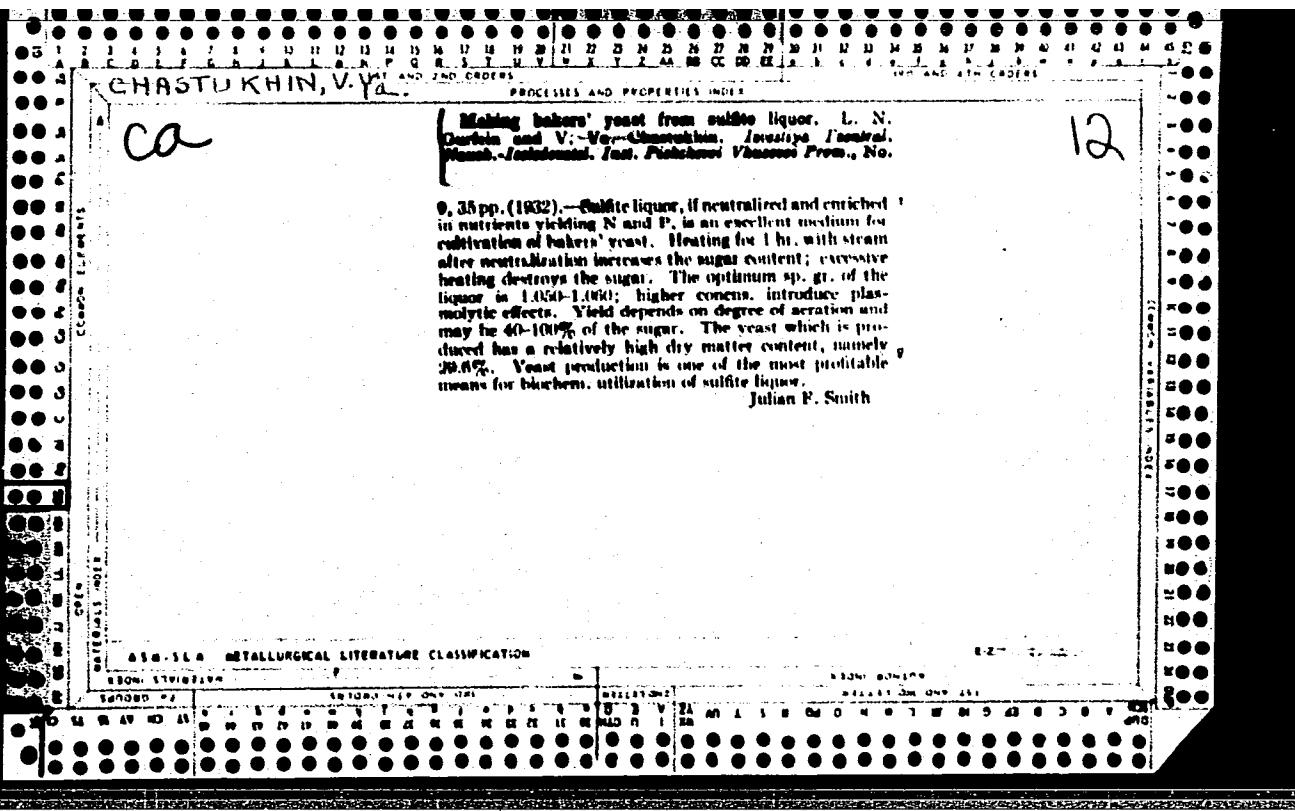
SOV/96-59-7-20/26

A Vibration Method of Removing Ash Deposits from Boiler Heating-Surfaces

every fifteen or twenty minutes, and then has a power consumption of 2 kWh per day. The equipment has operated satisfactorily for three months.

There are 3 figures.

Card 2/2



CHASTUKHIN, V. Ia.

Chastukhin, V. Ia. "Ecology of Fungus Diseases in the National Fir Forests," Sovetskaja Botanika, vol. 15, no. 1, 1947, pp. 17-26. 450 So8

So: SIRA SI - 90-53, 15 Dec., 1953

CHASTUKHIN, V.Y.		PROCESSES AND PROPERTIES INDEX																																									
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<p><i>Biological study of fungi which form antibiotics. V. V. Chastukhin and M. A. Nikolskaya. Mikrobiologiya, No. 17, p. 1048 (1948).—The following cultures from decaying conifers were studied: First stage, <i>Cladoporus hordeum</i>; <i>Aleuria auricula</i>; <i>Fusarium roseum</i>; <i>Trichothecium roseum</i>; and <i>Pencillium citrinum-virens</i>; Second stage, <i>Penicillium brevicompactum</i>; <i>P. brevis</i>; <i>P. brevis-albescens</i>; and <i>P. brevis-virens</i>, <i>P. brevis-virens</i>, <i>P. brevis-virens</i>, <i>P. brevis-virens</i>; <i>P. citrinum</i>; 3rd stage, <i>Pencillium polonicum</i>; <i>P. brevis</i>; <i>P. granulosum</i>; <i>P. frequentans</i>; <i>P. niger</i>; <i>Haplodiplosis delatatum</i>; <i>H. bicolor</i>; and <i>Thiogomphus thienemanni</i>. Penicillin was formed only by a few <i>Pencillium</i> (chiefly <i>P. niger</i>); even their activity was only a few Flory units. With this variety of organisms no active formation of antibiotics was observed. Natural antagonism of fungi to bacteria occurs only under certain conditions, a powerful factor being formation of bacteriostatic org. acids. In cultures from rotting wood and from forest litter, fungi in the 1st stage (microfungi, chiefly gram-pos.) yielded no antibiotics. In the 2nd stage, in forest litter, with chiefly gram-pos. microfungi, org. acid formation supports the theory that antibiotics result from conflicts in the course of natural selection. Against this ecological background antibiotics appear multiple, not single, in origin. Antibiotic formation is most active (tests with <i>P. niger</i>) when gram-pos. bacteria are in most active growth on the substrate.</i></p>		<i>11C</i>																																									
		<i>Cryptogamia Lab., Voronezh National Forest</i>																																									
AB6-11A METALLURGICAL LITERATURE CLASSIFICATION <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">SUBJECT DIVISION</th> <th colspan="2" style="text-align: center;">SERIAL NO. MAY 1960 VOL</th> <th colspan="2" style="text-align: center;">CLASSIFICATION</th> <th colspan="2" style="text-align: right;">JULY 1960</th> </tr> <tr> <th colspan="2" style="text-align: left;">SUBDIVISION</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> </tr> <tr> <th colspan="2" style="text-align: left;">SUBSUBDIVISION</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">M</td> <td style="text-align: center;">W</td> <td style="text-align: center;">A</td> <td style="text-align: center;">V</td> <td style="text-align: center;">D</td> <td style="text-align: center;">O</td> <td style="text-align: center;">J</td> <td style="text-align: center;">S</td> </tr> </tbody> </table>				SUBJECT DIVISION		SERIAL NO. MAY 1960 VOL		CLASSIFICATION		JULY 1960		SUBDIVISION								SUBSUBDIVISION								1	2	3	4	5	6	7	8	M	W	A	V	D	O	J	S
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CHASTUKHIN, V. Ya.

36007 Raboty lab raborii nizshikh chasteniy voronzhskogo gosudarstvennogo zapovednika.
ika. Nauch.-m. tez. Zapiski (Sovet ministrov ressr, Glav. upr. o zapovednikam),
vyp. 12, 1949, S. 9-20

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

CHASTUKHIN, V. YA.

25047. CHASTUKHIN, V. YA. Mikoflora Lesnykh Polos I Zaleshnykh Stepnykh Uchastkov
Kanashnosestvovaniya Gruzisa. Trudy Yubileynoy Sessii, Posvyashch. Stoletiyu So Dnya
Rozhdeniya Dokuchayeva. M.-L., 1949, S. 251-56.

SO: Letopis' No. 33, 1949

CHASTUKHIN, V. YA

Humus

Decomposition of vegetable remains and the role of fungi in soil formation.
Agrobiologia no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress. November, 1952.
Unclassified.

CHASTYKHIN, V.Ya.; NIKOLAYEVSKAYA, M.A.

Studies of decomposition of organic matter under the influence
of fungi and bacteria in deciduous forests, steppes and forest
shelterbelts. Trudy Bot.inst. Ser.2 no.8:201-326 '53.
(MLRA 7:1)

(Fungi) (Microorganisms)

CHASTUKHIN, V.Ya.

Review of the section on fungi in N.V.Fedorev's book "Soil
microbiology". Reviewed by V.IA.Chastukhin. Bot. zhur. 40
no.5:740-742 S-O '55. (MLRA 9:4)
(Fungi) (Fedorev, N.V.)

CHASTUKHIN, V.Ya.

"Transactions of a conference on plant mycotrophy." Reviewed by
V.IA.Chastukhin. Bot.zhur.41 no.4:586-588 Ap '56. (MLRA 9:9)
(Rhizosphere microbiology)

CHASTUKHIN V.Ya. - NIKOLAYEVSKAYA, M.A.

Role of animals in the formation of soils (with summary in English).
Pochvovedenie no.3:1-11 Mr '57.
(Soil formation)

USSR/Antibiosis and Symbiosis - Antibiotics.

F

Abs Jour : Ref Zhur Biol., No 1, 1959, 764

Author : Chastukhin, V.Ya., Goncharova, L.A.,

Inst :
Title : Mass Culture of Mycelial Molds for Obtaining Food Proteins

Orig Pub : Mikrobiologiya, 1957, 26, No 3, 360-366

Abstract : Various mold varieties were used to obtain food proteins from alcohol production wastes. The most suitable for development on a molasses wash with superphosphate were representatives of Aspergillus, Penicillium, Fusarium and several others. In deep cultivation, with periodic culturing on molasses wash, and with a 72 hour aeration, the weight of the layer of A. oryzae was 11.1 g/l of wash diluted 1:1, that of A. niger, Oidium lactis and Fusarium roseum respectively 9.25, 8.37 and 5.30 g/l. The nitrogen content of the layer ranged from 3.7 to

Card 1/2

- 20 -

USSR/Antibiosis and Symbiosis - Antibiotics.

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Abs Jour : Ref Zhur Biol., No 1, 1959, 764

5.30% of the mycelial weight, and the phosphorus content from 3.0 to 4.5%. The mycelial nitrogen content and weight also depend somewhat on the duration of culturing. By regulating the culturing time, with periodic transferring, there can be obtained for each liter of molasses wash (1:1) 10 g of A. oryzae mycelium, containing 7% nitrogen. Even better results (14 g/l) were obtained with continuous cultivation and change of the liquid every 24 hours. -- Ye.S. Kanel'

Card 2/2

CHASTUKHIN, V.Ya.

Types of plant diseases in spruce forests (with summary in German).
Bot. zhur. 44 no.3:297-311 Mr '59.
(MIRA 12:7)

1. Leningradskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
(Fungi, Phytopathogenic) (Forest ecology)

MAKAROVA, M.M.; CHASTUKHIN, V.Ya.

Conference on microbiological methods for producing fodder proteins.
Mikrobiologiya 29 no.2:308-309 Mr-Ap '60, (MIRA 14:7)
(FEEDS) (PROTEINS)

CHASTUKHIN, V.Ya., prof., otv. red.; CHUBINSKAYA-NADEZHDINA, A.A., red.
izd-va; BOCHEVER, V.T., tekhn. red.

[Forage proteins and biostimulators for stockbreeding] Kormovye
belki i biostimuliatory dlja zhivotnovodstva; sbornik rabot po po-
lucheniju kormovykh veshchestv pri pomoshchi massovykh kul'tur mikro-
organizmov. Moskva, Izd-vo Akad.nauk SSSR, 1961. 164 p.

(MIRA 14:12)

1. Vsesoyuznoye mikrobiologicheskoye obshchestvo. 2. Biologicheskiy
institut Leningradskogo gosudarstvennogo universiteta (for Chastukhin).
(Proteins) (Tissue extracts)
(Stock and stockbreeding—Feeding and feeds)

ARISTOVSKAYA, T.V.; VLADIMIRSKAYA, M.Ye.; GOLIERBAKH, M.M.; KATANSKAYA,
F.A.; KASHKIN, P.N.; KLUPT, S.Ye.; LOZINA-LOZINSKIY, L.K.; NORIKINA,
S.P.; RUMYANTSEVA, V.M.; SELIBER, G.L., prof. [deceased]; SKALON, I.
I.S.; SKORODUMOVA, A.M.; KHETAGUROVA, F.V.; CHASTUKHIN, V.Ya.;
PARSADANOVA, K.G., red.; GARINA, T.D., tekhn. red.

[Comprehensive laboratory manual on microbiology] Bol'shoi praktikum po mikrobiologii. [By] T.V. Aristovskaya i dr. Pod obshchel red. G.L. Selibera. Moskva, Vysshiaia shkola, 1962. 490 p.
(MIRA 16:3)

(MICROBIOLOGY—LABORATORY MANUALS)

CHASTUKHIN, V.Ya.

Decomposition of forest litter by pure cultures of Basidiomycetes.
Uch. zap. LGU no.313:3-22 '62. (MIRA 15:12)
(Basidiomycetes) (Forest litter)

CHASTUKHIN, V.Ya.; NIKOLAEVSKAYA, M.A.

Interrelations between micro-organisms decomposing plant residues
in complex cultures. Uch. zap. LGU no. 13:23-33 '62. (MIRA 15:12)
(Soil micro-organisms)
(Forest litter)

L 12038-65 EWT(1)/EWG(k)/EWT(n)/EPF(c)/EPP(n)-2/EPR/EPA(w)-2/EEC(t)/T/EEC(b)-2/
EWP(b)/EWA(n)-2 Pz-6/Pab-10/Pr-4/Ps-4/Pu-4 IJP(c)/AS(mp)-2/SSD/ASD(a)-5/AEDCB/
ACCESSION NR: AP4045289 BSD/AFWL/ASD(p)-3/ESD(gs) S/0048/64/028/009/1402/1408
JD/WW/JG/AT

AUTHOR: Arifov, U.A.; Gruich, D.D.; Chastukhina, L.Yu.

TITLE: Some distinctive features of secondary emission in bombardment of metals
by low energy ions /Report, Tenth Conference on Cathode Electronics held in Kiev,
11-18 Nov 1963/

SOURCE: AN SSSR, Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1402-1408

TOPIC TAGS: ion bombardment, low energy, secondary emission, ion energy, ion emission

ABSTRACT: The energy distributions of the secondary ions emitted by W, Mo and Ta targets bombarded by Na⁺, K⁺, Rb⁺, Cs⁺ and Ba⁺ ions accelerated to from 30 to 420 eV were investigated. The measurements were undertaken to elucidate certain previously discovered peculiarities of the energy spectra: the existence of a group of low energy secondary ions, and the excess of the energy of the elastically scattered group over that permitted by the conservation laws for a singly scattered ion. The ion source and the method of determining the secondary emission coefficient have been described elsewhere (D.D.Gruich, N.A.Rakhimbayeva and T.U.Arifov, Izv.AN

1/3

L 12038-65
ACCESSION NR: AP4045289

UzSSR, ser.fiz.-mat.nauk, No.1, 53, 1964). The ions were incident normally on the target over a $2 \times 18 \text{ mm}^2$ area at a current density of 10^{-6} A/cm^2 , and the secondary ions were observed at an angle of 135° . The secondary ions passed through a 127° cylindrical electrostatic analyzer (resolution 1.5%) to which a sawtooth potential was applied, and the energy distribution was displayed on an oscilloscope. The uncertainty in the energy of the elastically scattered ions due to the finite acceptance angle of the analyzer was 1.2%. The targets were outgassed for two days under high vacuum and at high temperature (2200°K for the W and Mo targets); the working pressure was $5 \times 10^{-8} \text{ mm Hg}$. The results are presented in the form of curves showing the secondary emission coefficients as functions of the incident ion energy. Separate curves are given for the elastically scattered ions and the low energy group; for the latter curves are also given showing the secondary emission coefficients as functions of the secondary ion energy. The secondary emission coefficients for both groups increase with decreasing incident ion energy, slowly at first and then more rapidly, and reach maxima at low or moderate energies. As functions of the secondary ion energy, the emission coefficients for the slow group (at 200 eV incident energy) were of the order of 10% at 5.2 eV and increased with decreasing energy to 25 to 55% at 3.9 eV. The ratio of the energy of the elastically scattered group to the incident ion energy for K^+ on Mo increased with decreasing in-

2/3

L 12038-65
ACCESSION NR: AP4045289

cident ion energy from the theoretical value for single scattering event, namely, 0.22 at 400 eV to about 0.44 at 40 eV, the increase being most rapid below 80 eV. These results are discussed at some length, and it is tentatively concluded that the excess energy of the elastically scattered group is due to multiple scattering from single target atoms rather than single scattering from groups of atoms, and that the slow group is due to the emission of adsorbed ions as the result of lattice vibrations excited by the incident beam. Orig.art.has: 3 formulas and 7 figures.

ASSOCIATION: Fiziko-tehnicheskiy institut AN UzSSR (Physicotechnical Institute, AN UzSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, MM

NR REF Sov: 011

OTHER: 000

3/3